

A-01003 FIGS. 1 - 17

FIG. 1 PRIOR ART

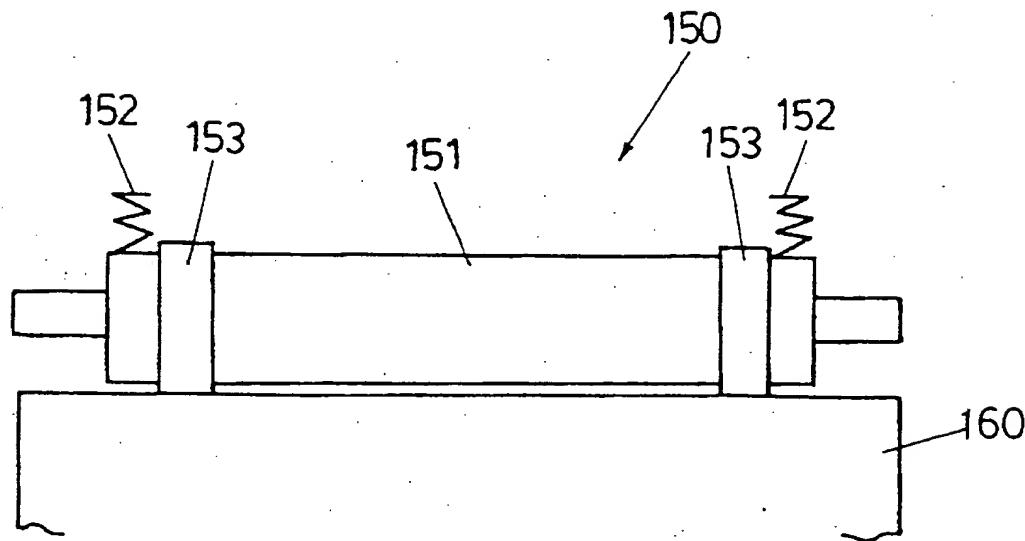


FIG. 2 PRIOR ART

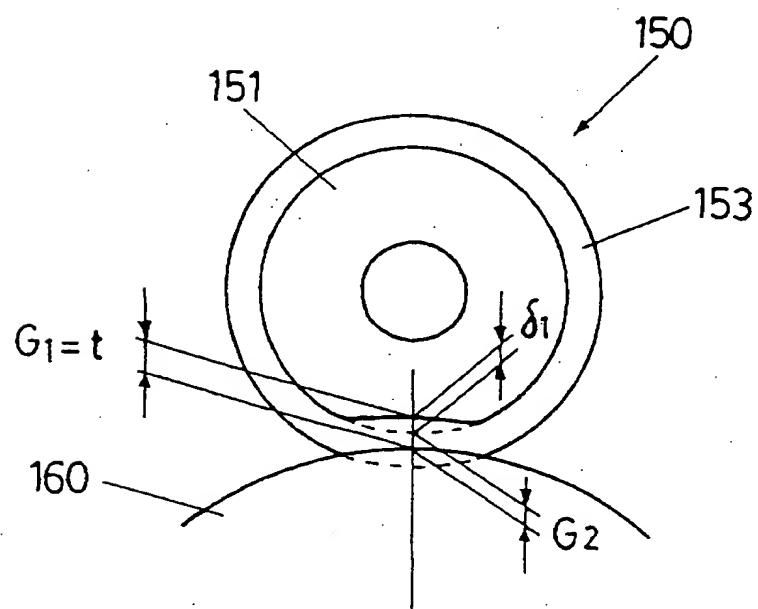


FIG. 3

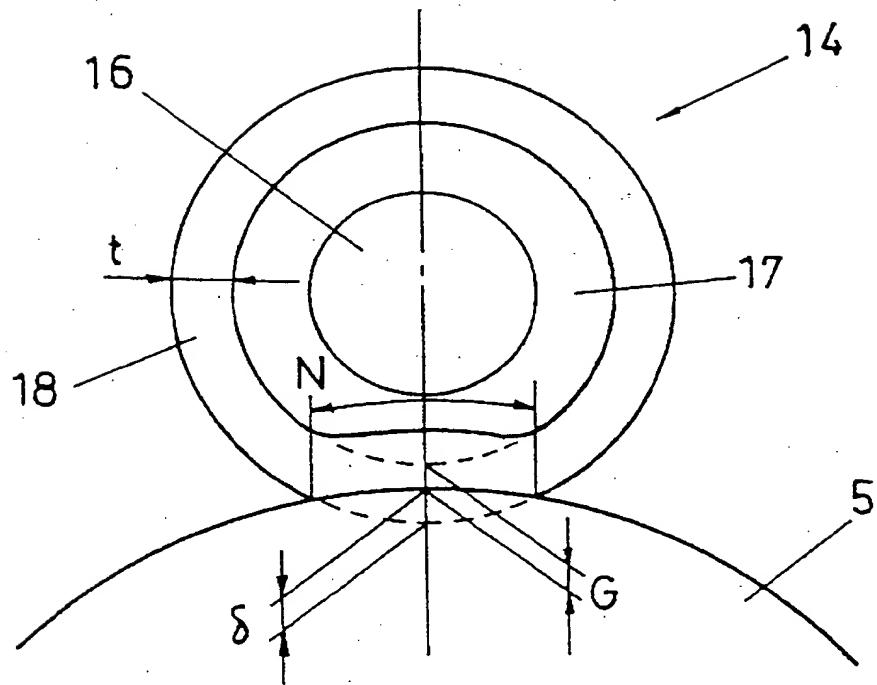


FIG. 4

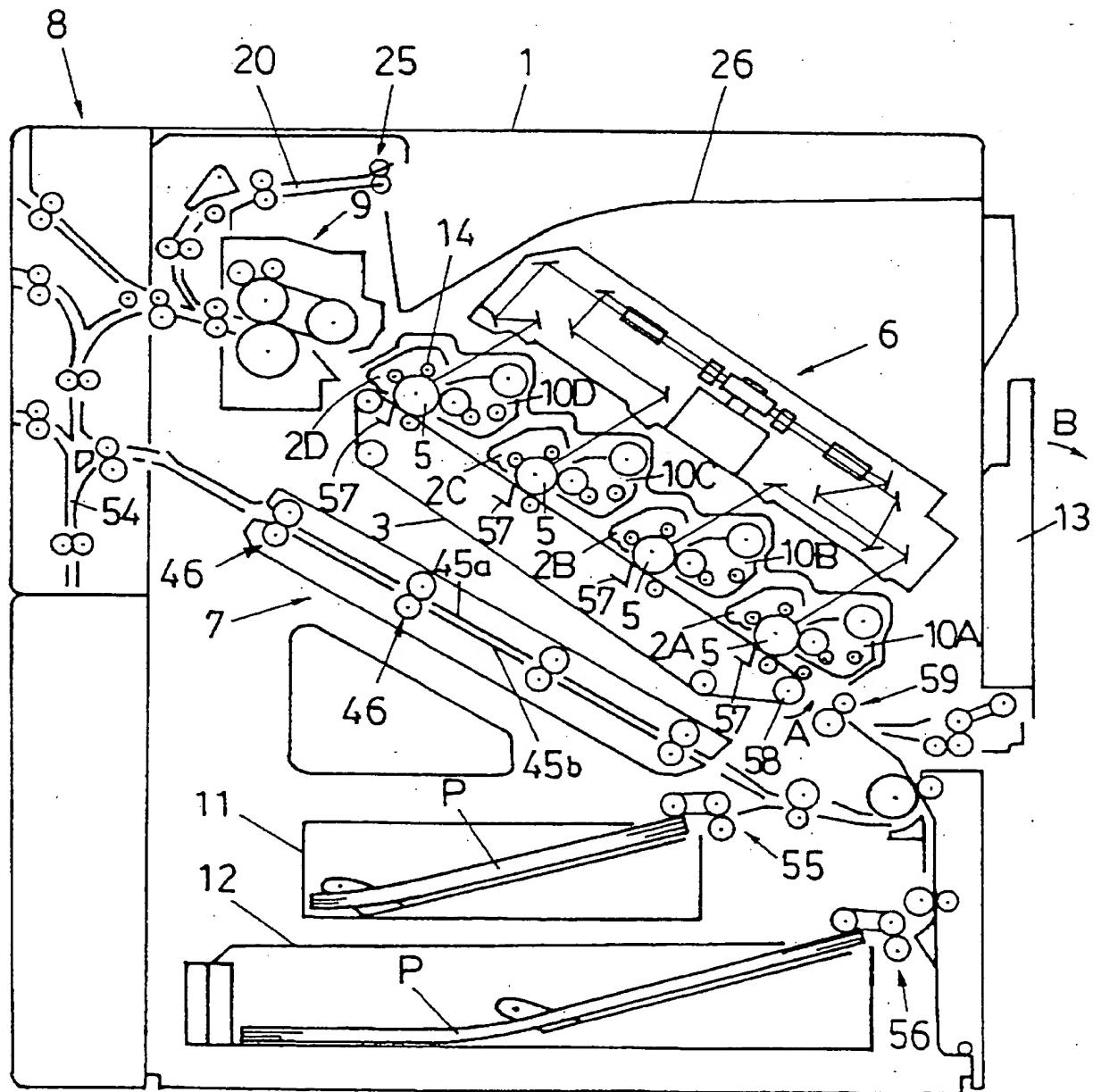


FIG. 5

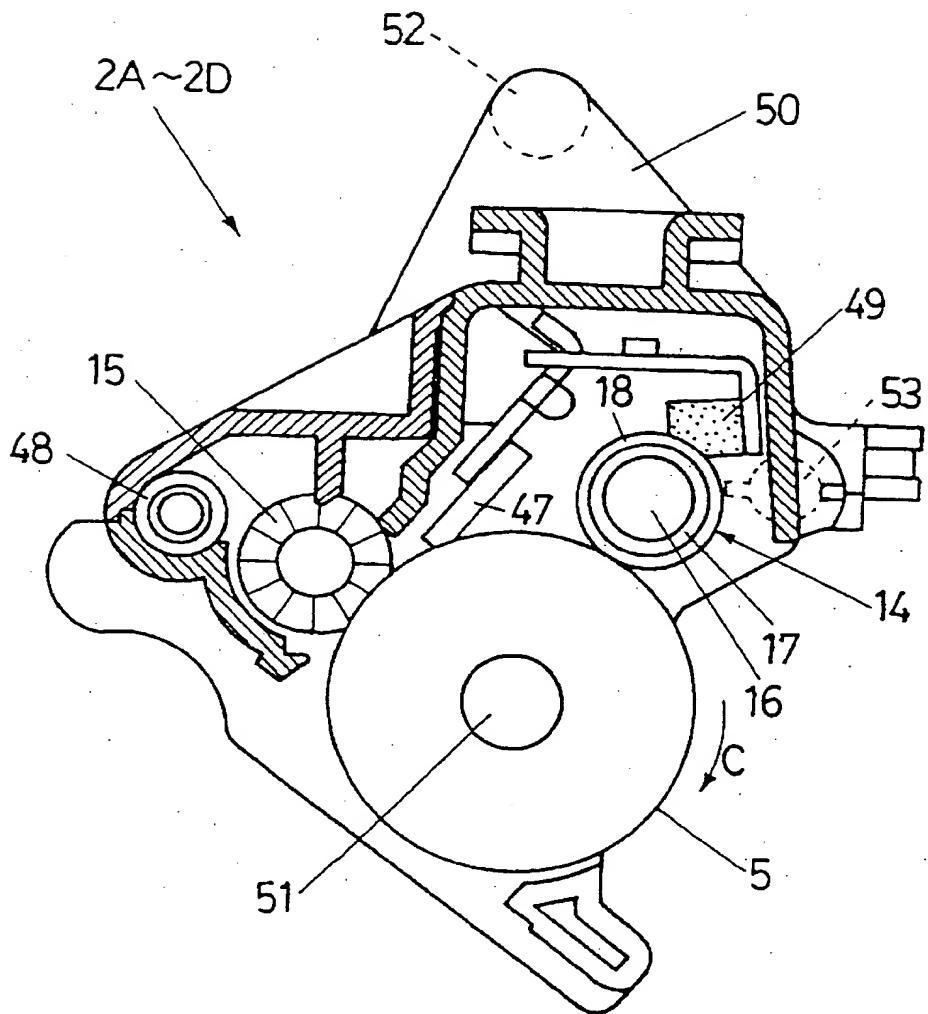


FIG. 6

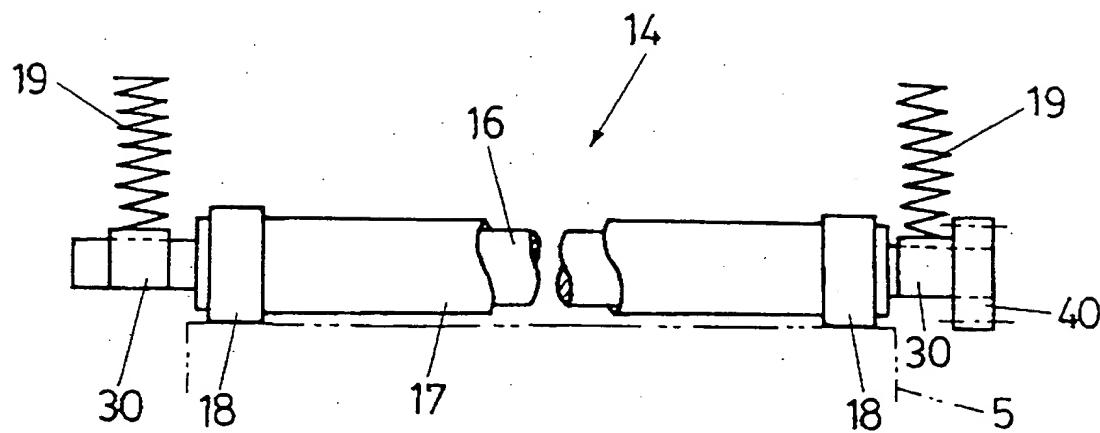


FIG. 7

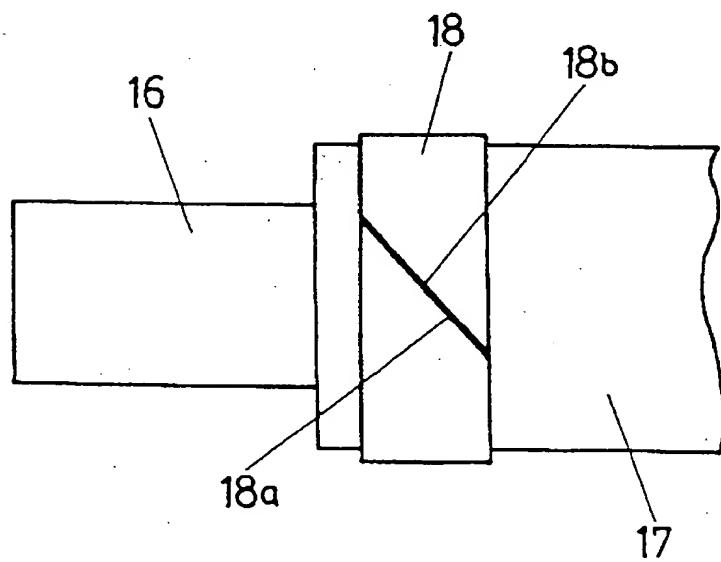


FIG. 8

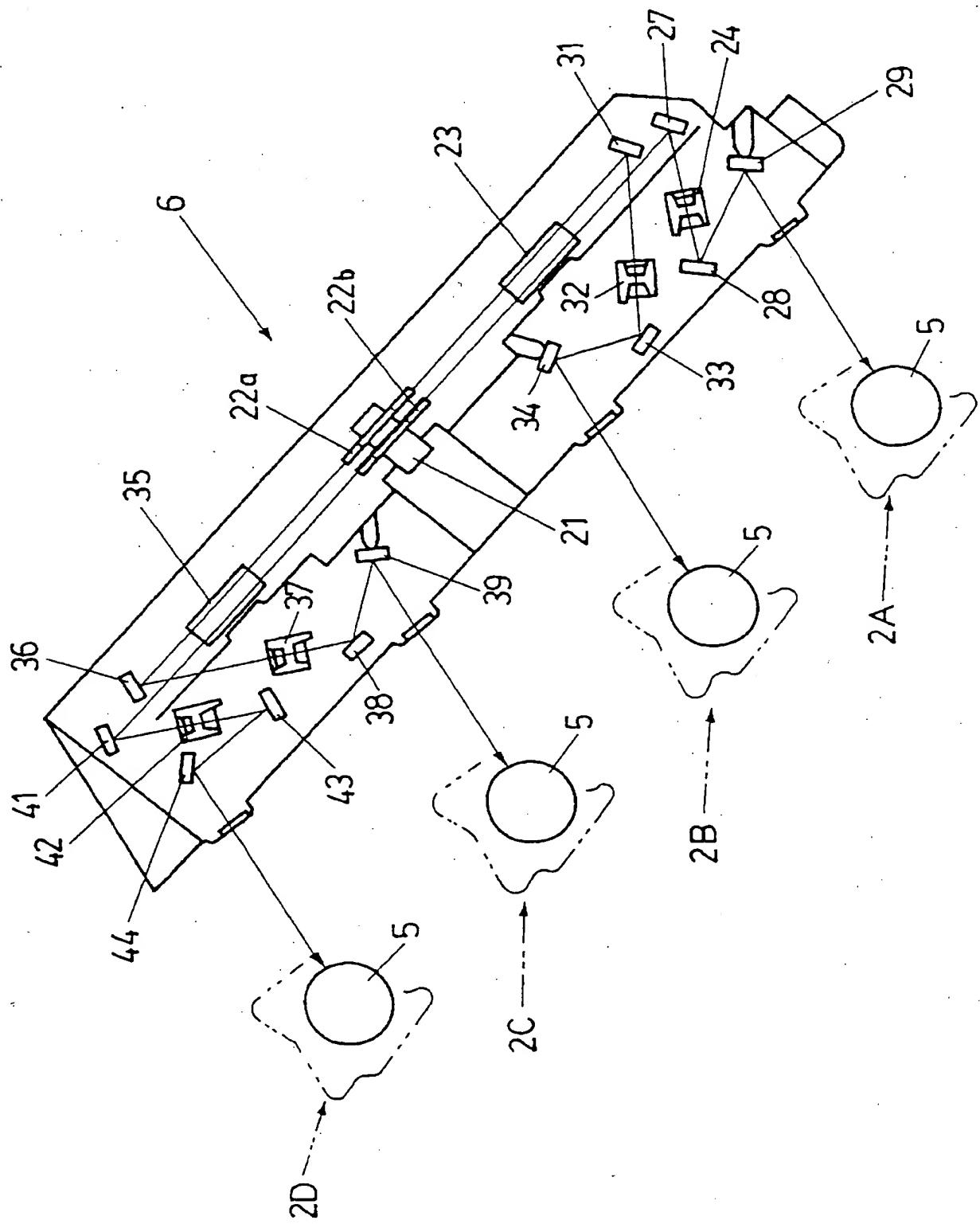


FIG. 9

CHARGE ROLLER	CORE	RUBBER THICKNESS	ROLLER HARDNESS	ROLLER	PFM	PFM THICKNESS	PFM WIDTH
SAMPLE #1	φ 9	1.5 m m	7 5		PF025-H	6 0 μ m	8 m m
SAMPLE #2	φ 8	2 m m	6 5		PF050-H	8 5 μ m	8 m m
SAMPLE #3	φ 8	3 m m	6 0		ABSENT; CONTACT	—	—
SAMPLE #4	φ 8	3 m m	6 0		PF075-H	1 0 5 μ m	8 m m
SAMPLE #5	φ 8	3 m m	6 0		PF075-H	1 0 0 μ m	8 m m

FIG. 10

CHARGE ROLLER	DEFORIFICATION	NIP WIDTH	INITIAL CHARGING ABILITY	LONG-TERM CHARGING ABILITY	INITIAL CHARGING NOISE
SAMPLE #1	20 μ m	1 mm	○	○	○
SAMPLE #2	40 μ m	1.4 mm	○	○	○
SAMPLE #3	-	-	○	X	X
SAMPLE #4	60 μ m	1.7 mm	X	○	○
SAMPLE #5	60 μ m	1.7 mm	○	○	○

FIG. 11

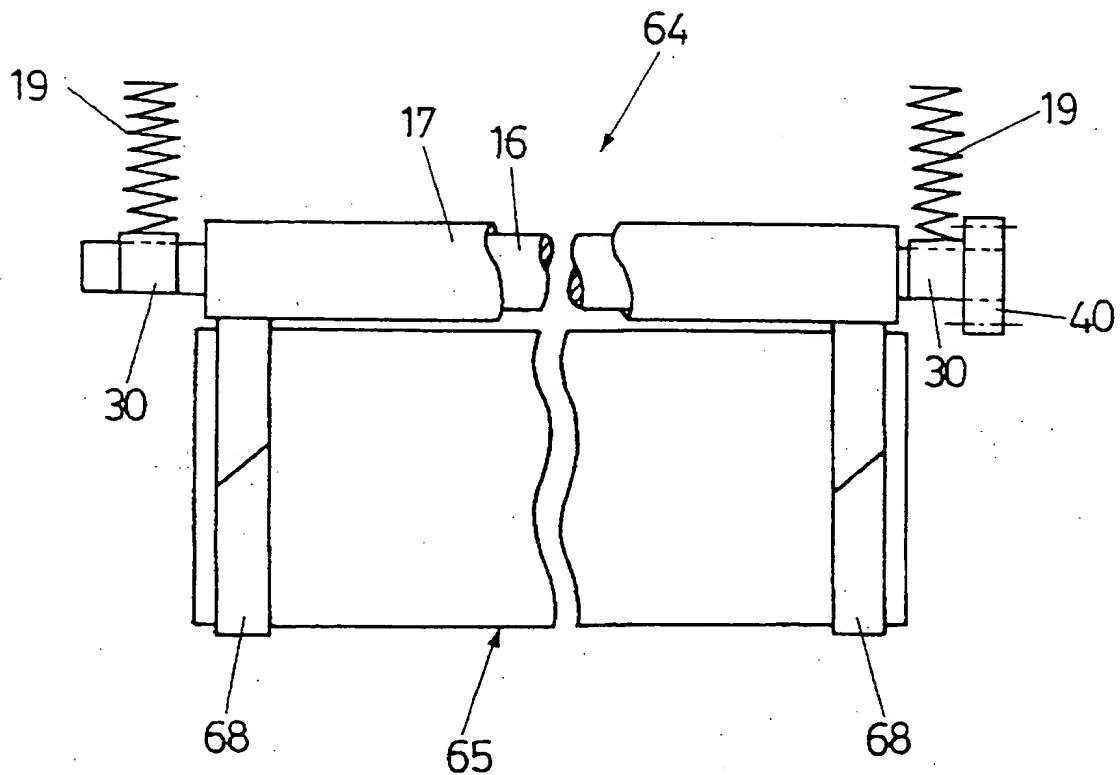


FIG. 12

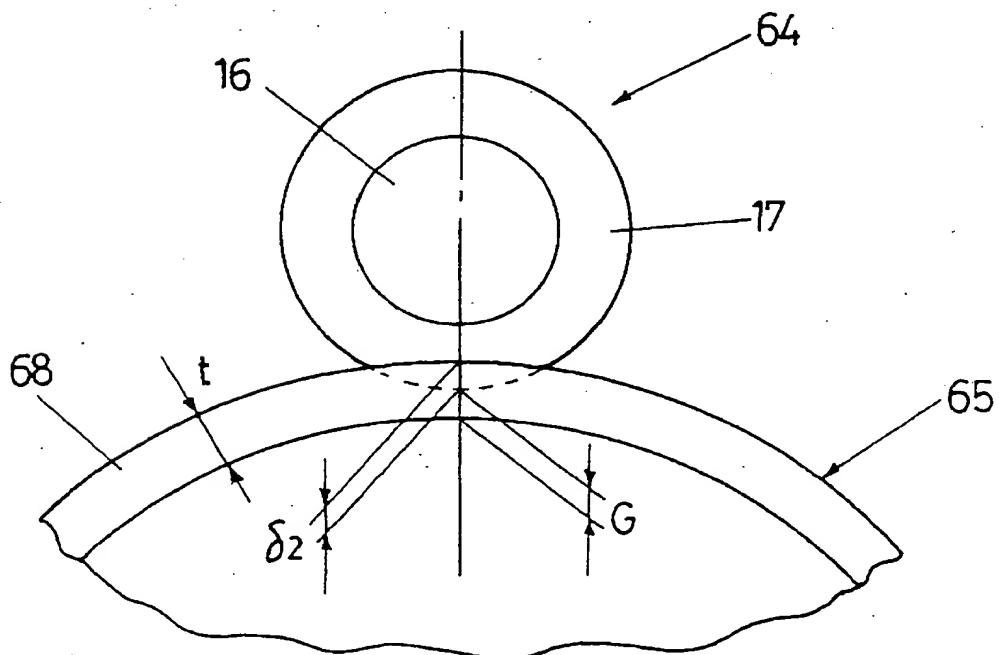


FIG. 13

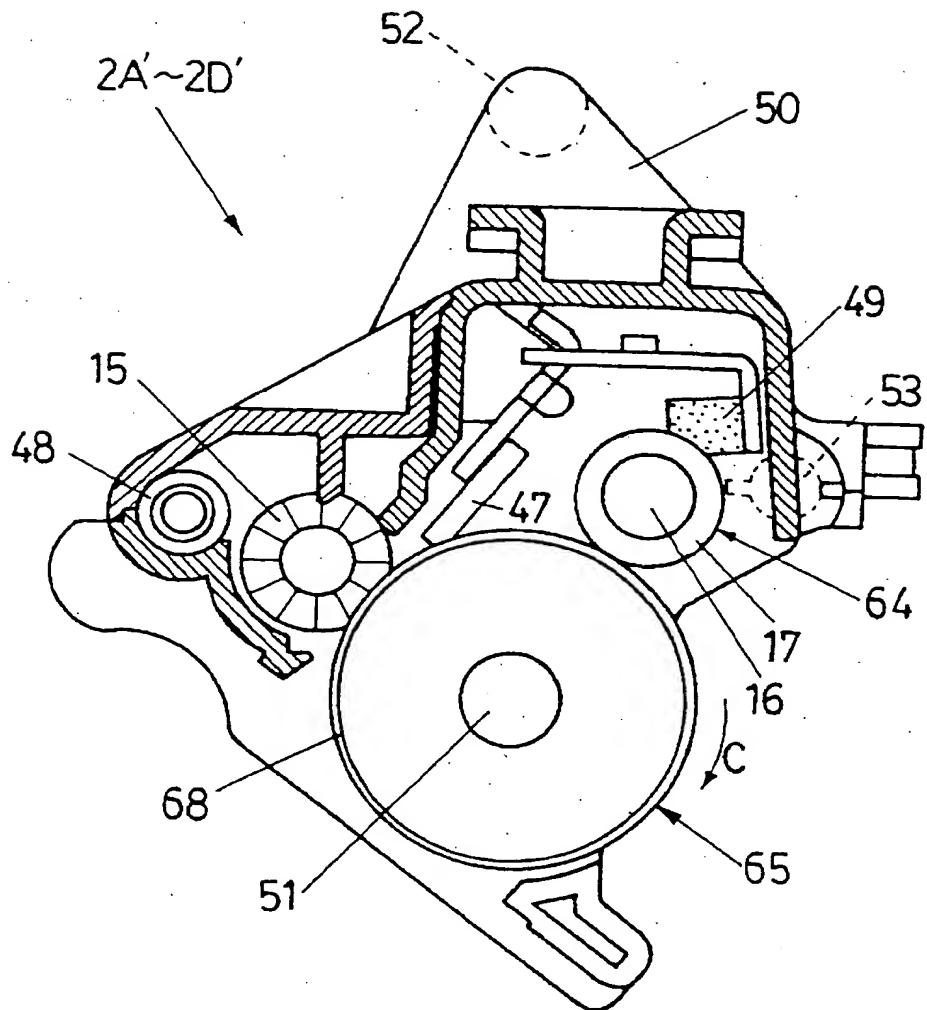


FIG. 14

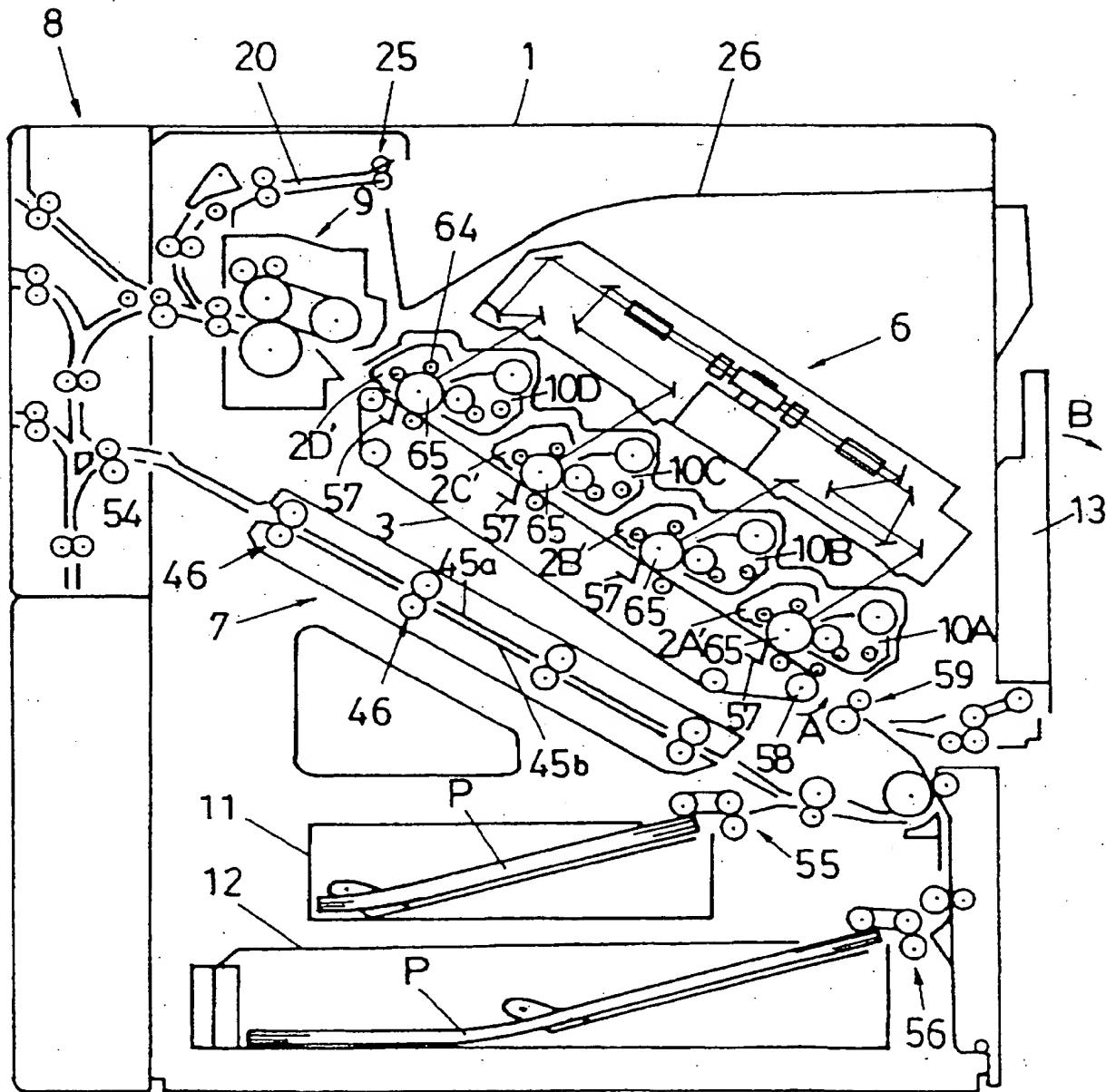


FIG. 15

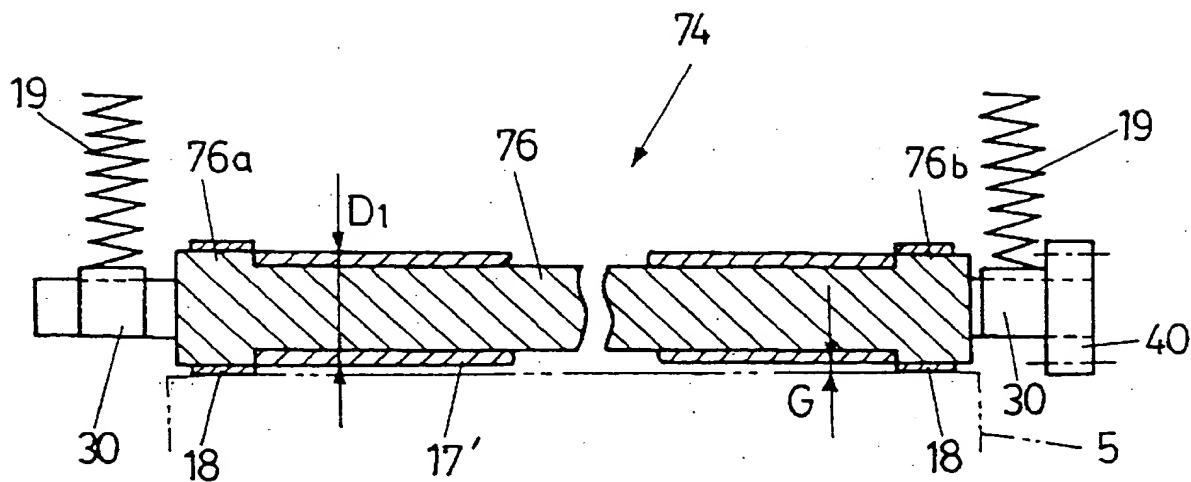


FIG. 16

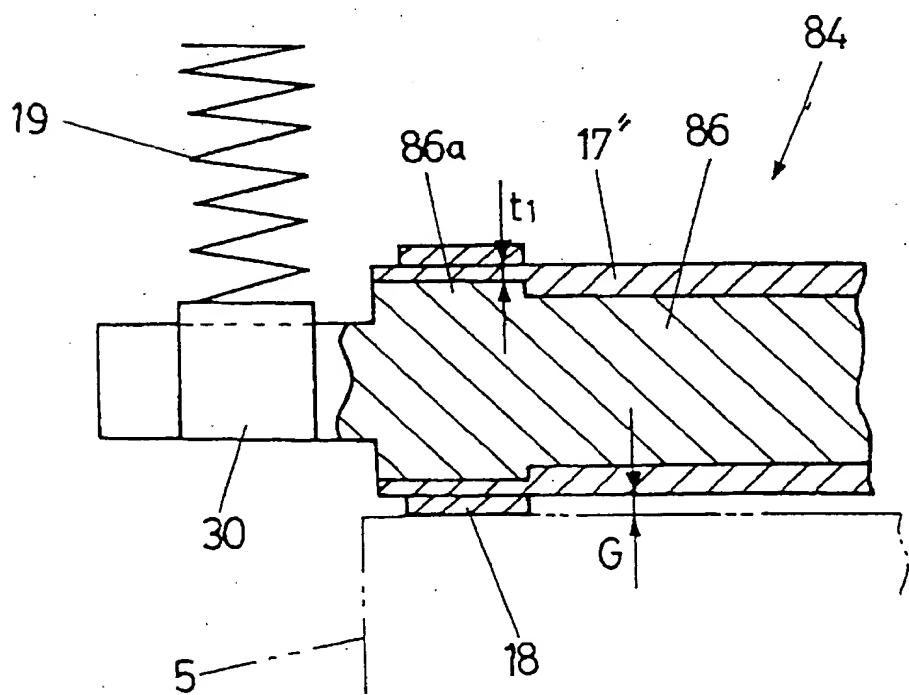


FIG. 17

